

1. An apparatus for a soft handoff, comprising:
  - a plurality of base station transceivers; and
  - a mobile station configured to:
    - measure power of signals transmitted by said plurality of base station transceivers;
    - identify each base station transceiver whose measured signal power is greater than a threshold;
    - place indicators of said identified base station transceivers to a first set;
    - transmit the indicators; and
    - establish a traffic channel to at least one of the identified base station transceivers not in communication with the mobile station via a traffic channel.
2. The apparatus of claim 1 wherein the mobile station places indicators of said identified base station transceivers to a first set by being configured to:
  - determine indicators of said identified base station transceivers not included in the first set; and
  - place the determined indicators to the first set.
3. The apparatus of claim 1 wherein the mobile station transmits the indicators by being configured to:
  - transmit the indicators from the first set.
4. The apparatus of claim 1 wherein the mobile station transmits the indicators by being configured to:
  - determine indicators of said identified base station transceivers not included in the first set; and
  - transmit the determined indicators.
5. The apparatus of claim 1 wherein said plurality of base station transceivers are configured to:
  - receive transmission of indicators; and

6. The apparatus of claim 1 wherein said mobile station is further configured to:  
receive a direction message.

8. The apparatus of claim 6 wherein said mobile station is further configured to:

adjust the indicators in the first set in accordance with the direction message.

10. The apparatus of claim 1, wherein a first set of said plurality of base station transceivers is configured to:  
provide coverage to a cell in a cellular system.

11. The apparatus of claim 1, wherein a second set of said plurality of base station transceivers is configured to:  
provide coverage to a sector of a cell in a cellular system.

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identifying the first channels whose measured signal power is greater than a threshold at the mobile station; and  
placing indicators of said identified first channels to a first set at the mobile station.

13. The method as claimed in claim 12 wherein said placing indicators of said identified first channels to a first set, comprises:  
determining indicators of said identified first channels not included in the first set; and  
placing said determined indicators to the first set.

14. The method of claim 12 further comprising:  
searching for a direction message using the indicators contained in the first set.

15. The method of claim 12 further comprising receiving a direction message at the mobile station.

16. The method of claim 15 further comprising:  
adjusting the indicators of the first set in accordance with the direction message.

17. The method of claim 12 further comprising:  
transmitting the indicators from the mobile station.

18. The method of claim 17 wherein said transmitting the indicators comprises:  
transmitting the indicators placed to the first set.

19. The method of claim 17 wherein said transmitting the indicators comprises:  
determining indicators of said identified first channels not included in the first set; and  
transmitting said determined indicators.

a mobile station configured to:

identifying the first channels whose measured signal power is greater than a threshold; and

21. The apparatus as claimed in claim 20 wherein said mobile station places indicators of said identified first channels to a first set by being configured to:

place said determined indicators to the first set.

search for a direction message using the indicators contained in the first set.

receive a direction message.

adjust the indicators in the first set in accordance with the direction message.

transmit the indicators.

26. The apparatus of claim 20 wherein said mobile station is configured to:

transmit the indicators placed to the first set.

27. The apparatus of claim 20 wherein said mobile station is configured to:

determine indicators of the identified first channels not included in the first set; and

transmit the determined indicators.

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